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## AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled. The listing of the claims will replace all prior versions, and listing, of claims in the application.

## Listing of claims:

- 1.-39. (Cancelled)
- (Currently Amended) A three-dimensional printing system to print a threedimensional object, comprising:

one or more printing heads;

two or more <u>cartridge apparatuses that provide</u> <del>cartridges to provide</del> building materials <u>to said one or more printing heads</u> to print said three-dimensional object:

two or more sensors to determine that determine the status of building materials in said <u>cartridge apparatuses</u> <del>cartridges</del>; and a controller to receive <u>that receives</u> data from said sensors[[,]] and to centrol <u>controls</u> switching of building material supply from one cartridge to another.

- (Currently Amended) The system of claim 40, wherein each of said sensors is associated with a <u>respective</u> respectiver one of said eartridges <u>cartridge</u> apparatuses.
- (Previously Presented) The system of claim 40, wherein the sensors are mass sensors.
- (Currently Amended) The system of claim 40, wherein said two or more <u>cartridge</u> <u>apparatuses</u> eartridges are arranged as part of a cartridge array.
- (Currently Amended) The system of claim 40, wherein said <u>cartridge apparatuses</u> eartridges comprise a cartridge casing, said casing including a memory device reader.

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 (Currently Amended) The system of claim 40, wherein at least one of said <u>cartridge apparatuses eartridges</u> is coupled to a memory device to record data relating to building material in [[the]] a cartridge.

- (Currently Amended) The system of claim 40, wherein at least one of said <u>cartridge apparatuses eartridges</u> comprises a bag to store said building material.
- (Currently Amended) The system of claim 40, further comprising a valve matrix
  coupled to said two or more <u>cartridge apparatuses eartridges</u>, to control supply of
  building materials from said <u>cartridge apparatuses</u> <u>eartridges</u> to said printing
  heads.
- (Previously Presented) The system of claim 47, wherein said valve matrix includes an outgoing tube for each type of building material required by said printing heads.
- 49. (Currently Amended) The system of claim 47, wherein upon lowering of the level of said building material in any one of said two or more <u>cartridge apparatuses</u> eartridges to a pre-determined amount, said valve matrix is adapted to automatically switch material sources.
- 50. (Currently Amended) The system of claim 40, wherein said controller is to calculate material parameters from building materials in one or more of said <u>cartridge apparatuses</u> eartridges, based on data of building material in said <u>cartridge apparatuses</u> eartridges.
- (Previously Pesesnted) The system of claim 40, further comprising a source of electromagnetic radiation.
- (Currently Amended) The system of claim 51, wherein the source of electromagnetic radiation is disposed within one of said <u>cartridge apparatuses</u> eartridges.
- (Currently Amended) The system of claim 40, further comprising a curing unit adapted to cure remnant building material within one of said <u>cartridge</u> <u>apparatuses eartridges</u> using electromagnetic radiation.

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 (Previously Presented) The system of claim 46, wherein said bag is inflatable and to enable curing of remnant building material.

55. (Canceled) A printing method, comprising:

measuring data on the status of building material for threedimensional printing in two or more cartridges; determining parameters of said building material; and controlling a supply of said building material from any of said cartridges to one or more printing heads according to said parameters.

- (Canceled) The method of claim 55, wherein said controlling of material supply is enabled by controlling a valve matrix.
- (Canceled) The method of claim 55, further comprising sending an alert to an operator.
- (Canceled) The method of claim 55, wherein measuring material status includes measuring the mass of said building material in said cartridges.
- (Cancled) The method of claim 55, comprising computing an amount of building material required to print an object.
- (Canceled) The method of claim 55, comprising computing an amount of time remaining before one of said cartridges requires replacement.
- (Canceled) The method of claim 55, comprising alerting an operator if one of said cartridges requires replacement.
- (Canceled) The method of claim 55, comprising automatically switching supply sources for said building material if one of said cartridges requires replacement.
- (Canceled) The method of claim 55 comprising: generating electromagnetic radiation;

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channeling said electromagnetic radiation into one of said cartridges to cure remnant building material contained within said cartridge.

64. (Canceled) The method of claim 63, comprising inflating a cartridge bag to enable said electromagnetic radiation to reach substantially all parts of said cartridge bag.